



Quickstart Guide

PPU – PILATUS Processing Unit

This user manual is valid for the following FURKA and GRIMSEL versions:

FURKA Version: V.3.7.1

Grimsel Version: V.3.7.1

Document Version: V1

Table of Contents

1. Document History	3
1.1. Current document	3
1.2. Changes	3
2. How to use this Manual	4
2.1. Address and Support	4
2.2. Disclaimer	5
3. PILATUS Processing Unit (PPU)	6
3.1. Daily Operation	6

1. Document History

1.1. Current document

<i>Version</i>	<i>Date</i>	<i>status</i>	<i>prepared</i>	<i>checked</i>	<i>released</i>
1	17.12.2015	released	DJ	VB	SB

1.2. Changes

<i>Version</i>	<i>Date</i>	<i>Changes</i>
1	17.12.2015	First version of the document

2. How to use this Quickstart Guide

Before you start to operate the PPU please read this Quickstart Guide carefully.

2.1. Address and Support

DECTRIS Ltd.
Taefernweg 1
5405 Baden- Daettwil
Switzerland
Phone: +41 56 500 21 02
Fax: + 41 56 500 21 01

Website:

- www.dectris.com → support → Technical Notes → PPU
- www.dectris.com → support → FAQ
- www.dectris.com → support → Problem Report

Email:

- support@dectris.com

Should you have questions concerning the system or its use, please contact us via phone, email or fax.



Do not ship the system back before you receive the necessary transport and shipping information!

2.2. Disclaimer

DECTRIS Ltd. has carefully compiled the contents on this manual according to the current state of knowledge. Damage and warranty claims arising from missing or incorrect data are excluded.

DECTRIS Ltd. bears no responsibility or liability for damage of any kind, also for indirect or consequential damage resulting from the use of this system.

DECTRIS Ltd. is the sole owner of all user rights related to the contents of the manual (in particular information, images or materials), unless otherwise indicated. Without the written permission of DECTRIS Ltd. it is prohibited to integrate the protected contents published in these applications into other programs or other Web sites or to use them by any other means.

DECTRIS Ltd. reserves the right, at its own discretion and without liability or prior notice, to modify and/or discontinue this application in whole or in part at any time, and is not obliged to update the contents of the manual.

3. **PILATUS Processing Unit (PPU)**

3.1. Daily Operation

- After each user shift, please restart FURKA with a new user uid and gid, which changes the ownership of the copied data to this user:
`/etc/init.d/furka restart -u 500:501`
- Check status and license information of FURKA and GRIMSEL:
`/etc/init.d/furka status`
`/etc/init.d/grimsel status`
- The following example shows how the directory structure of the data is replicated by FURKA and GRIMSEL:

Let us assume the detector writes data to :

```
<detector-server>://ramdisk/path/to/data
```

If we set `source` to `/` and `target` to `/ramdisk/./imgdir` FURKA appends the corresponding `uid_gid` of the user (e.g. 500_501 from example above) to `target` and data will appear on the PPU in:

```
/ramdisk/imgdir/uid_gid/path/to/data
```

The `./` in the target path is ignored by FURKA, however, GRIMSEL will use it as a starting point, which path information has to be replicated. In our example GRIMSEL will write the data to (`target = /data`):

```
/data/imgdir/uid_gid/path/to/data
```

- Configuration files can be found at :
`/etc/furka_dectris.conf`
`/etc/grimsel_dectris.conf`

Log files can be found at:

```
/var/log/furka_dectris.log  
/var/log/furka_dectris.log
```

License files can be found at:

```
/var/lib/furka/license.key  
/var/lib/grimsel/license.key
```